

Amendments to the Abstract of the Disclosure:

Please replace the Abstract of the Disclosure with the following amended Abstract of the Disclosure:

ABSTRACT OF THE DISCLOSURE

RATE-OF-CHANGE SWITCHES AND CONTROLLABLE APPARATUS

A switching function is performed in response to a predetermined rate-of-change of an output signal, thereby providing rate-of-change switching. Rate-of-change switches (63 and 154) each include a ~~mechanical-to-electrical user-controlled~~ transducer (38A, 38B, or 39), ~~and a rate-of-change control device (22, 110, 120, 130, 132, 140, or 146).~~ The ~~rate-of-change control devices (22, 110, 120, 130, 132, 140, and 146)~~ each include a differentiator (40A, 40B, 112, or 156), and a discriminator (42, 114, 134, 160, or 162). The rate-of-change switches (63 and 154) perform at least one switching function when an output from the differentiator (40A, 40B, 112, or 156) or a second differentiator (158) exceeds an allowable magnitude. The rate-of-change switches (63 and 154) may be used to control a timed-opportunity switch (26 or 172), a conveyance, such as a wheelchair (12), and such functions as extending and retracting leg supports, and/or an environmental control unit (14 or 174). The rate-of-change switches (63 or 154) may be attached to a body member (18, 64, or 67) and be ~~body member~~ actuated by body-member gestures. ~~Alternately, any momentary contact switch may be used to control the timed-opportunity switch (26 or 172) and the environmental control unit (14 or 174).~~